Abstract

Device comprising an array of microsystems which can be individually addressed by means of electromagnetic transmission and method of addressing one such device

The microsystems (2) communicate by electromagnetic transmission (4, 5, 8), preferably by radio frequency, with a control circuit (3). An initialization phase of the method of addressing successively comprises addressing, by the control circuit (3), of each microsystem (2) by an identification code that is proper to the latter and storing, in a register of the microsystem, of a reduced addressing code (C) supplied by the control circuit (3). A subsequent addressing phase comprises transmission to all the microsystems (2), by the control circuit (3), of reset signals and increment signals. Each microsystem (2) monitors resetting of at least one counter upon receipt of a reset signal and incrementation of the content of the counter upon receipt of an increment signal. Each microsystem (2) compares the contents of its counter and of its register so as to trigger execution of a pre-determined command when these contents are identical.

(Figure 1)